Please replace the paragraph starting on page 19, line 26 to page 20, line 16 with the following paragraph. A marked-up version of this paragraph, showing the changes made, is provided herewith as Appendix A.

-- Electrophoretic Mobility Shift Assays were performed to determine whether the addition of various concentrations of polyamides specific for the sequences flanking the TATA box of the HER2/neu promoter could interfere with the DNA binding activity of the TATA binding protein (TBP). Oligonucleotides corresponding to the HER2/neu TATA box and the adjacent sequences were synthesized. The first oligonucleotide, HERTATA1, has the sequence:

5'-GCTGCTTGAGGAAG**TATA**AGAATGAAGTTGTGAAG-3' (SEQ ID NO: 2) (the TATA box is in bold). The complementary oligonucleotide, HERTATA2, has the sequence:

A2

5'-CTTCACAACTTCATTCTTATACTTCCTCAAGCAGC-3' (SEQ ID NO: 3). These complementary 35 base oligonucleotide kinase and then annealed to give a double-stranded 35 base pair oligonucleotide. This oligonucleotide was then used in electrophoretic mobility shift assays employing 5% nondenaturing polyacrylamide gels (29:1 acrylamide to bisacrylamide) containing 4 mM $MgCl_2$ and 0.02% (v/v) NP-40 nonionic detergent along with 44 mM Tris-borate, pH 8.3, 1 mM EDTA. The labeled oligo, at a concentration of 0.1 nM, was reacted with 1 nM final concentration of TBP (Promega) in a reaction volume of 20 µl, containing 10% glycerol (v/v), 20 mM HEPES-OH, pH 7.9, 25 mM KCl, 0.025% NP-40 (v/v), 100 µg/ml bovine serum albumin, 0.5 mM dithiothreitol, 0.8 mM spermidine, 0.1 mM EDTA, 2 mM $MgCl_2$. - -

---

Please replace the paragraph starting on page 22, line 25 to page 23, line 4 with the following paragraph. A marked-up version of this paragraph, showing the changes made, is provided herewith as Appendix A.

A3

-- The effects of polyamide addition were subsequently analyzed using reverse transcriptase ((RT)-polymerase chain reaction (PCR) as an assay for the relative level of

HER2/neu mRNA. These HER2/neu mRNA levels should correlated with the amount of transcription from the HER2/neu promoter, allowing the determination of whether polyamide HER2-1 has any effect on transcription *in vivo*. Using PCR primers specific for the HER2/neu oncogene, the PCR product will correspond to HER2/neu cDNA, reflecting the relative levels of HER2/neu mRNA. The PCR primers were: (Her2A) 5'-GCTGGCCCGATGTATTTGATGGT-3' (SEQ ID NO: 4) and (Her2B) 5'-GTTCTCTGCCGTAGGTGTCCCTTT-3' (SEQ ID NO: 5), and 50 ng of each were used in PCR reactions as described below. - -

A3

In the Drawings

Please replace the original sheet labeled Fig. 1A & 1B, and Fig. 3 with the attached amended sheets (Appendix B). Amended sheets include SEQ ID Nos. at the end of the nucleotide sequences.